

FIG. 1 is a block diagram of a system for monitoring a user location. The system includes a user location 15, a sensor device 10, a wireless device 50, a local telco 55, a telco computer 65, the internet 40, and a central monitoring unit 30. The user location 15 is connected to the sensor device 10, which is connected to the wireless device 50. The wireless device 50 is connected to the local telco 55. The local telco 55 is connected to the telco computer 65, which is connected to the internet 40. The internet 40 is connected to the central monitoring unit 30.

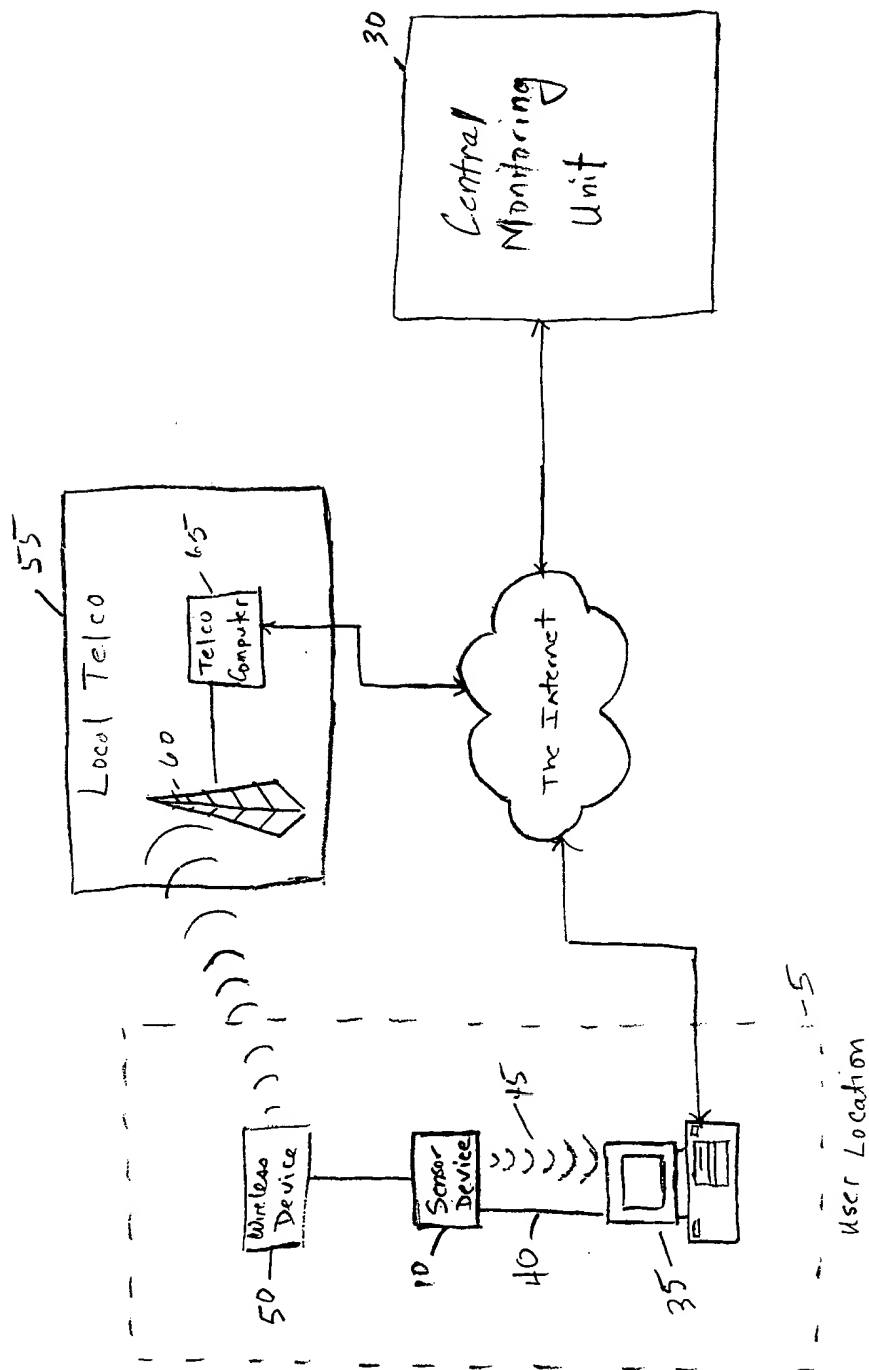


Fig. 1

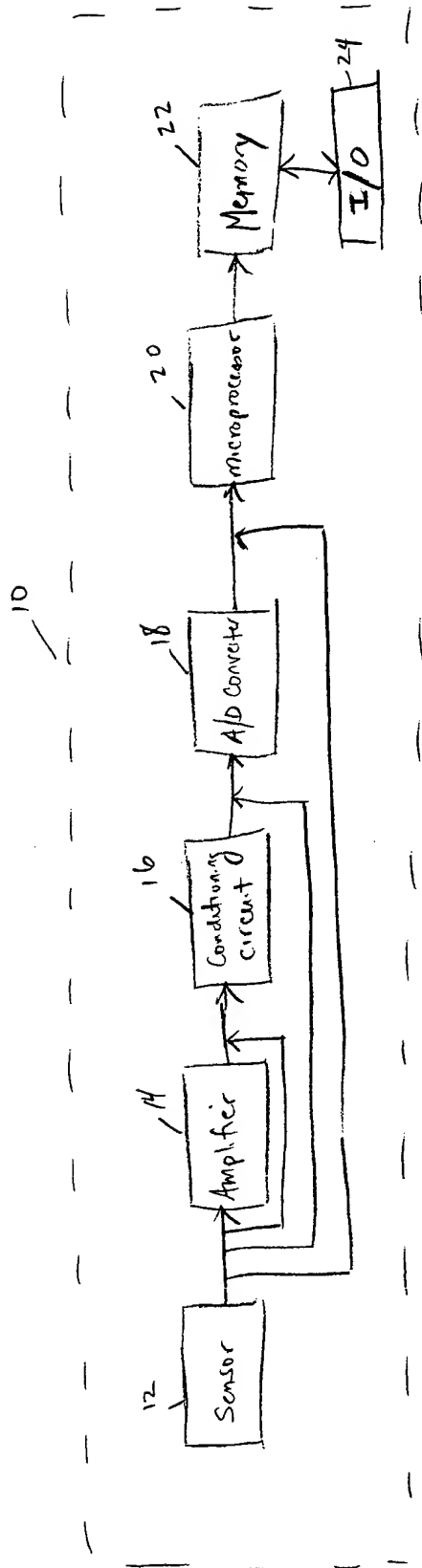


Fig. 2

FIG. 3 is a block diagram of a network system. The system includes a CSU/DSU (70) connected to a Router (75), which is connected to a Firewall (80). The Firewall (80) is connected to a Switch (85), which is connected to a Load Balancer (90). The Load Balancer (90) is connected to three Middleware Servers (95a, 95b, 95c). The Switch (85) is also connected to a Database Server (110), which is connected to Network Storage (100). The Network Storage (100) is connected to a client (115).

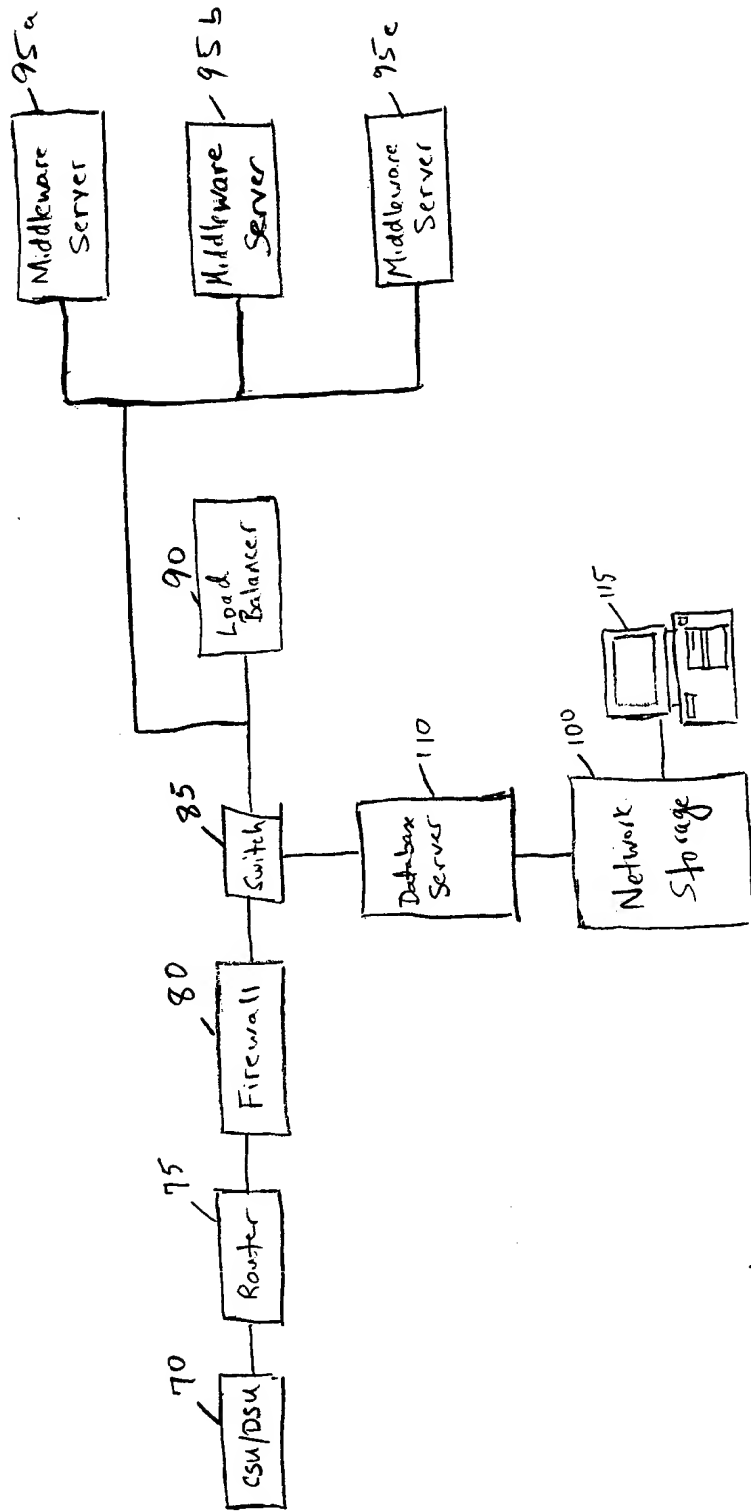


Fig. 3

FIG. 4 is a block diagram of a network architecture. The architecture includes a Router (70) connected to a Firewall (80). The Firewall (80) is connected to a Switch (85). The Switch (85) is connected to a Load Balancer (90). The Load Balancer (90) is connected to a Database Server (110) and a Database Server (125). The Database Server (110) is connected to Network Storage (100). The Database Server (125) is connected to Mirror Network Storage (120). The Mirror Network Storage (120) is connected to a computer (122). The Load Balancer (90) is also connected to a group of three Middleware Servers (135a, 135b, 135c). The Middleware Servers (135a, 135b, 135c) are connected to a group of three Middleware Servers (95a, 95b, 95c).

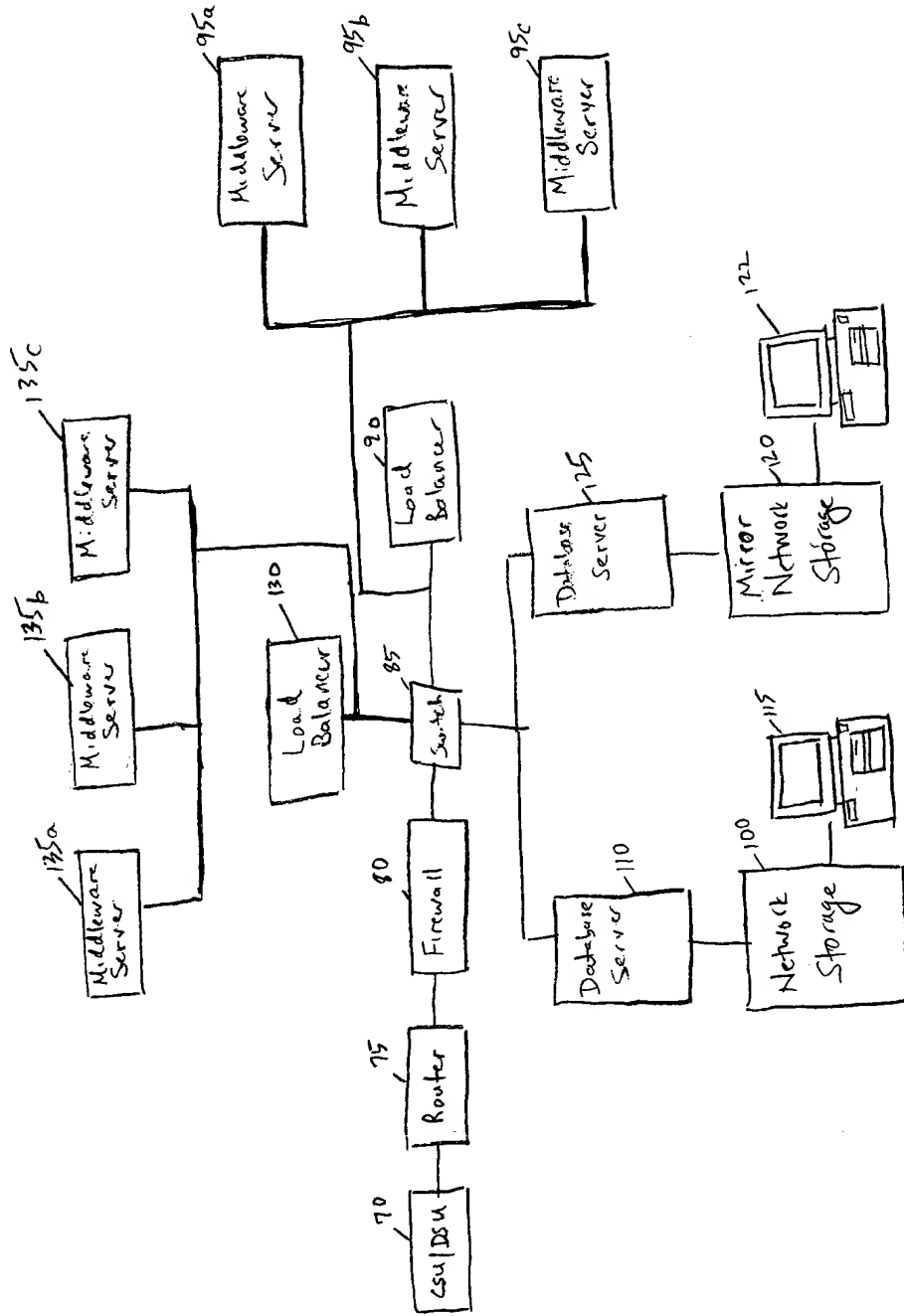


Fig 4

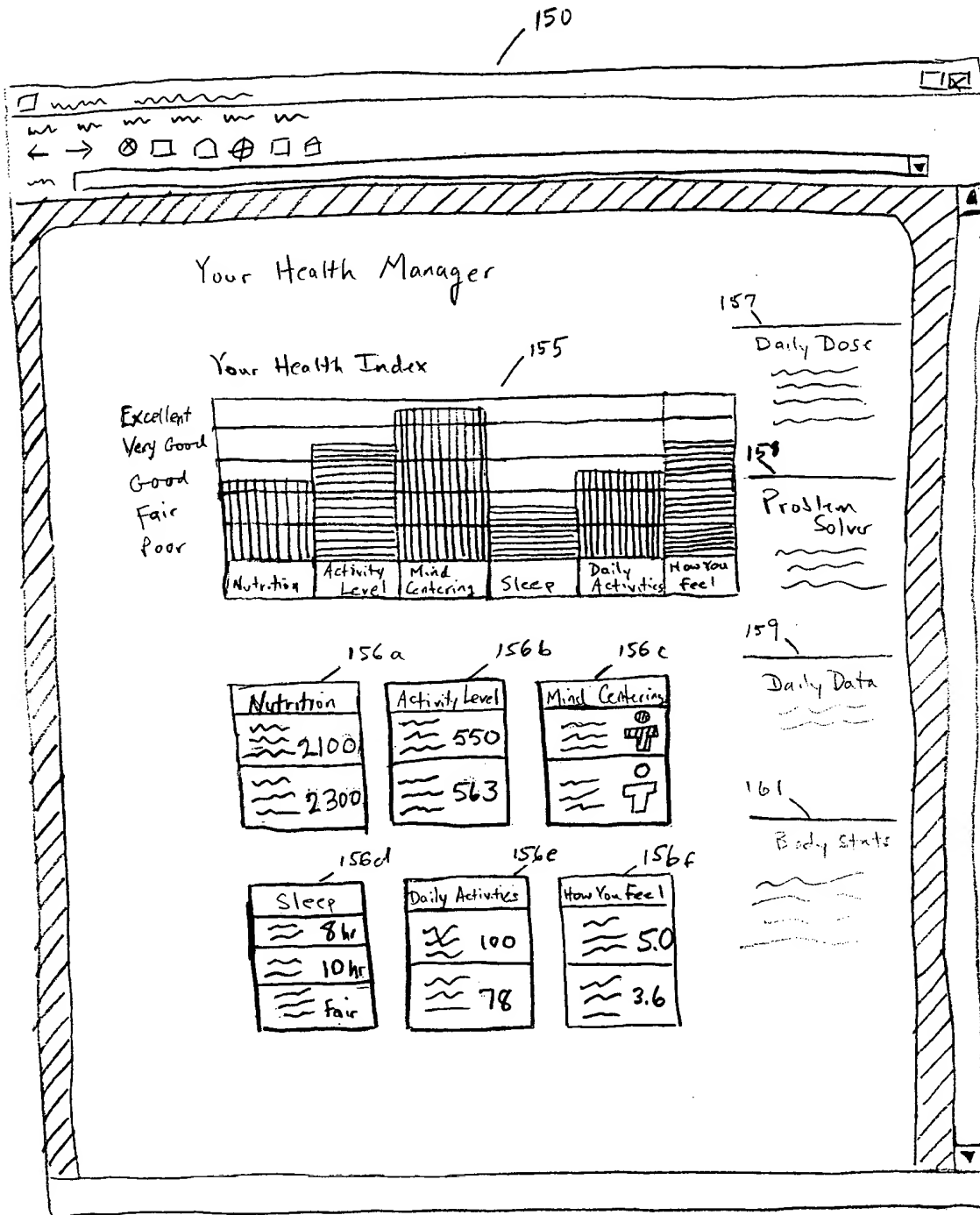


Fig. 5

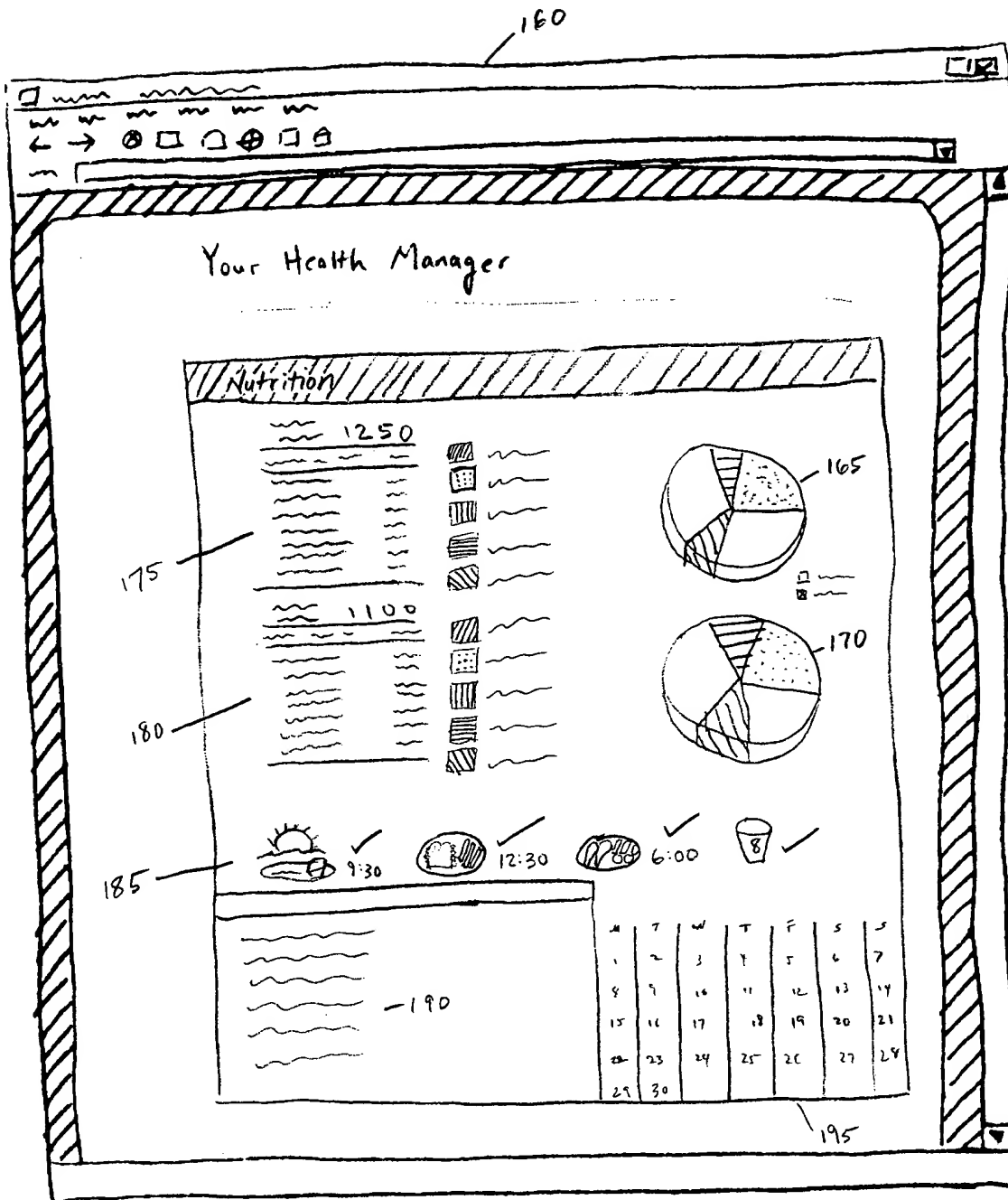


Fig. 6

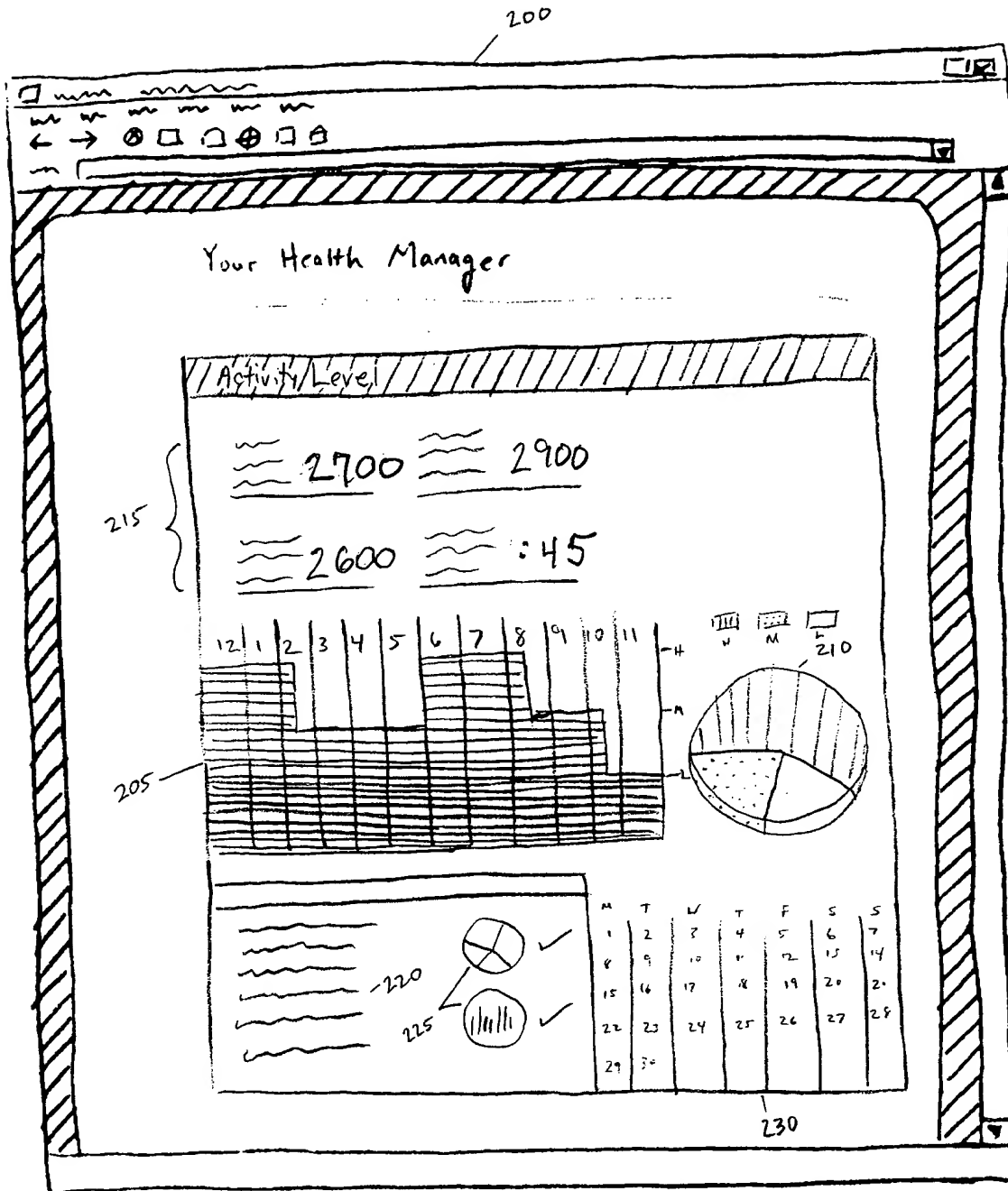


Fig. 7

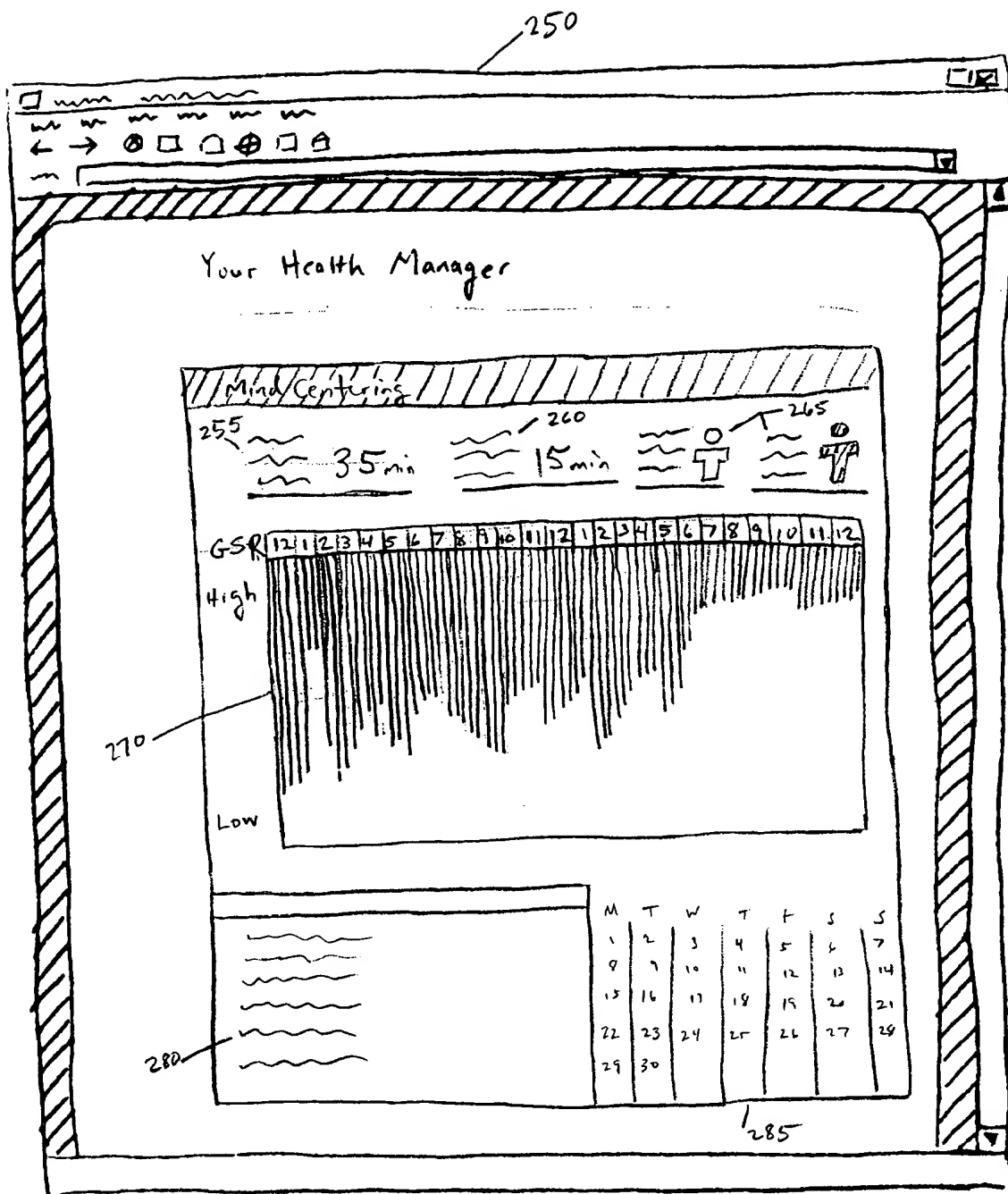


Fig. 8



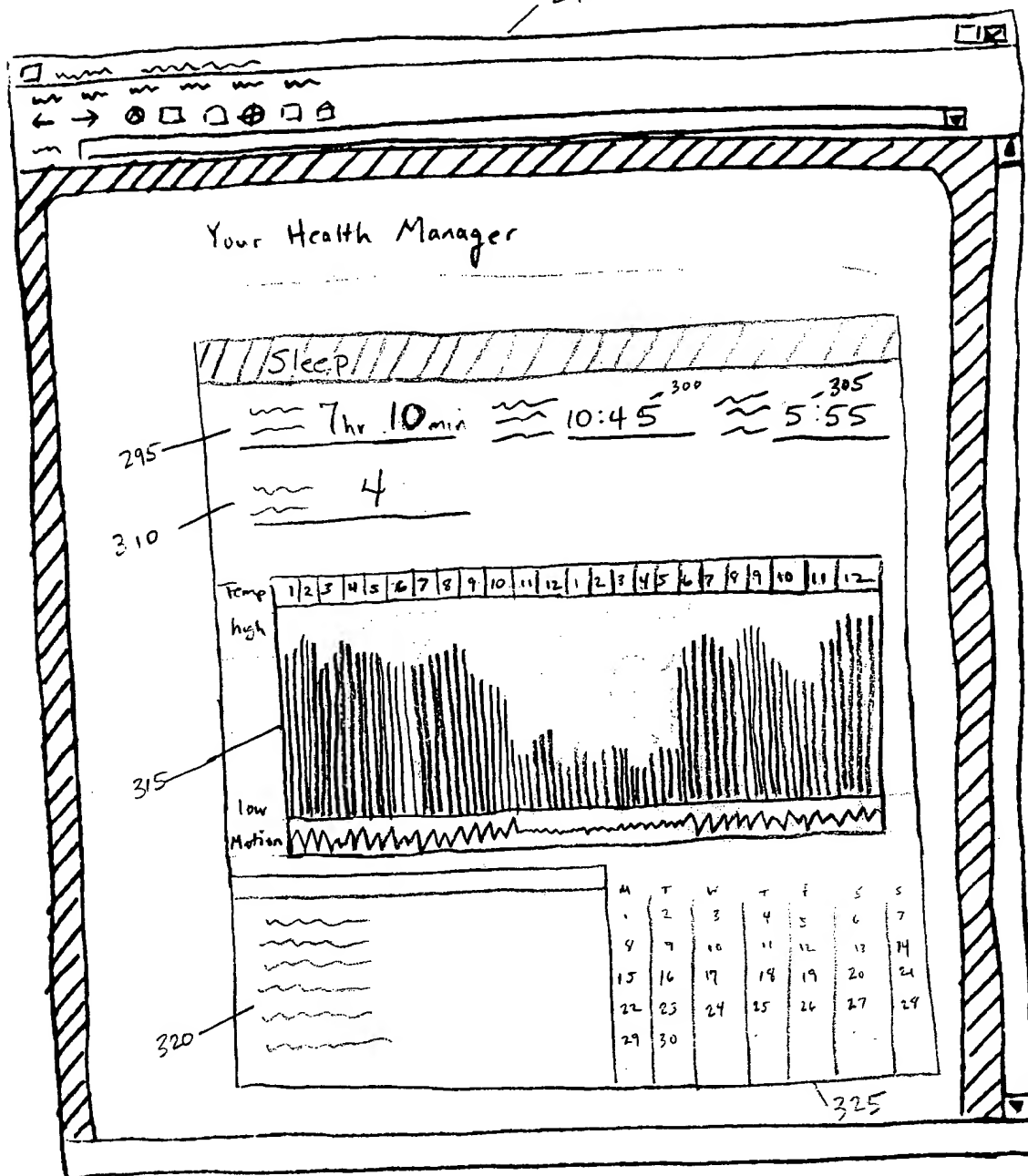


Fig. 9

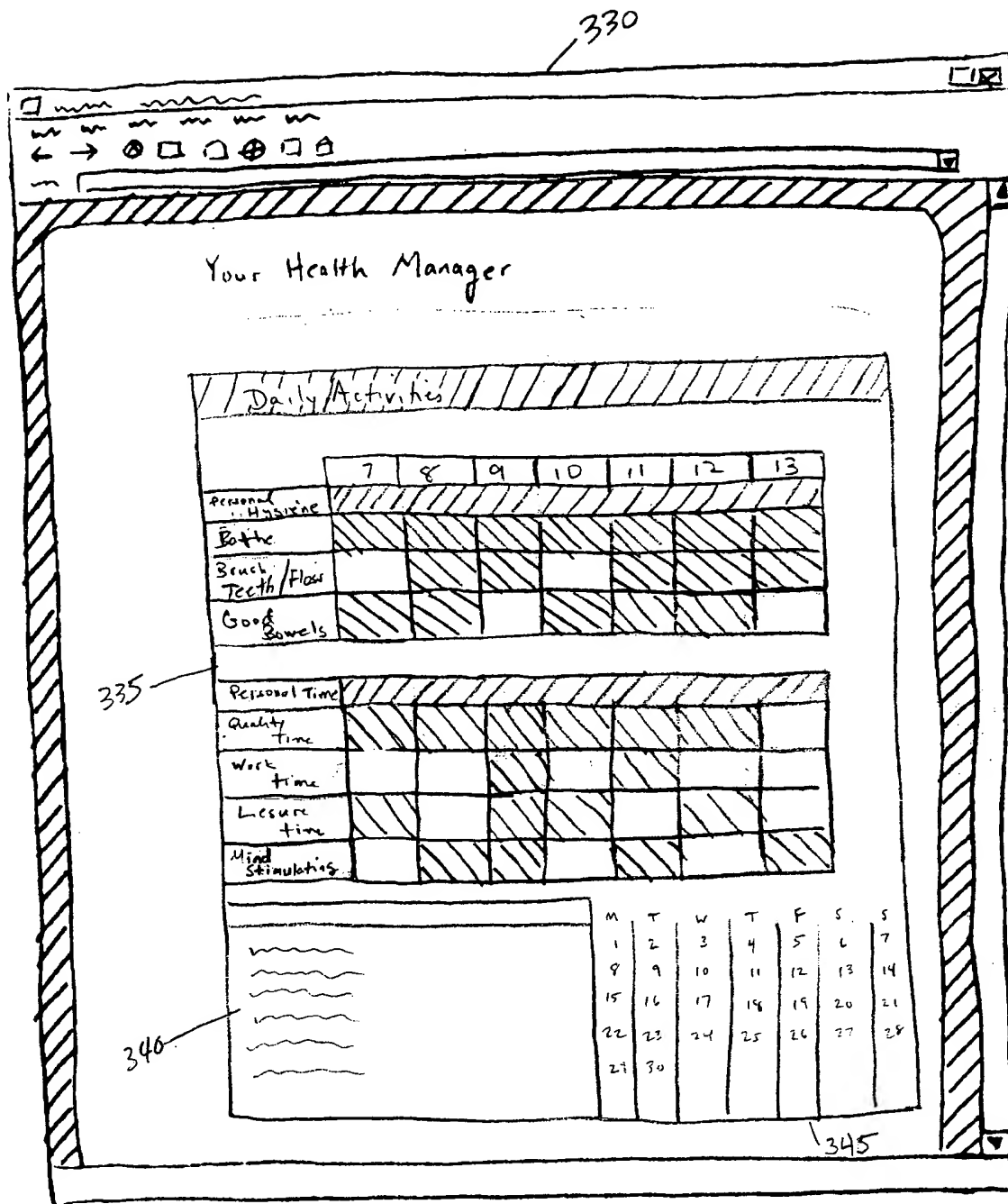


Fig. 10

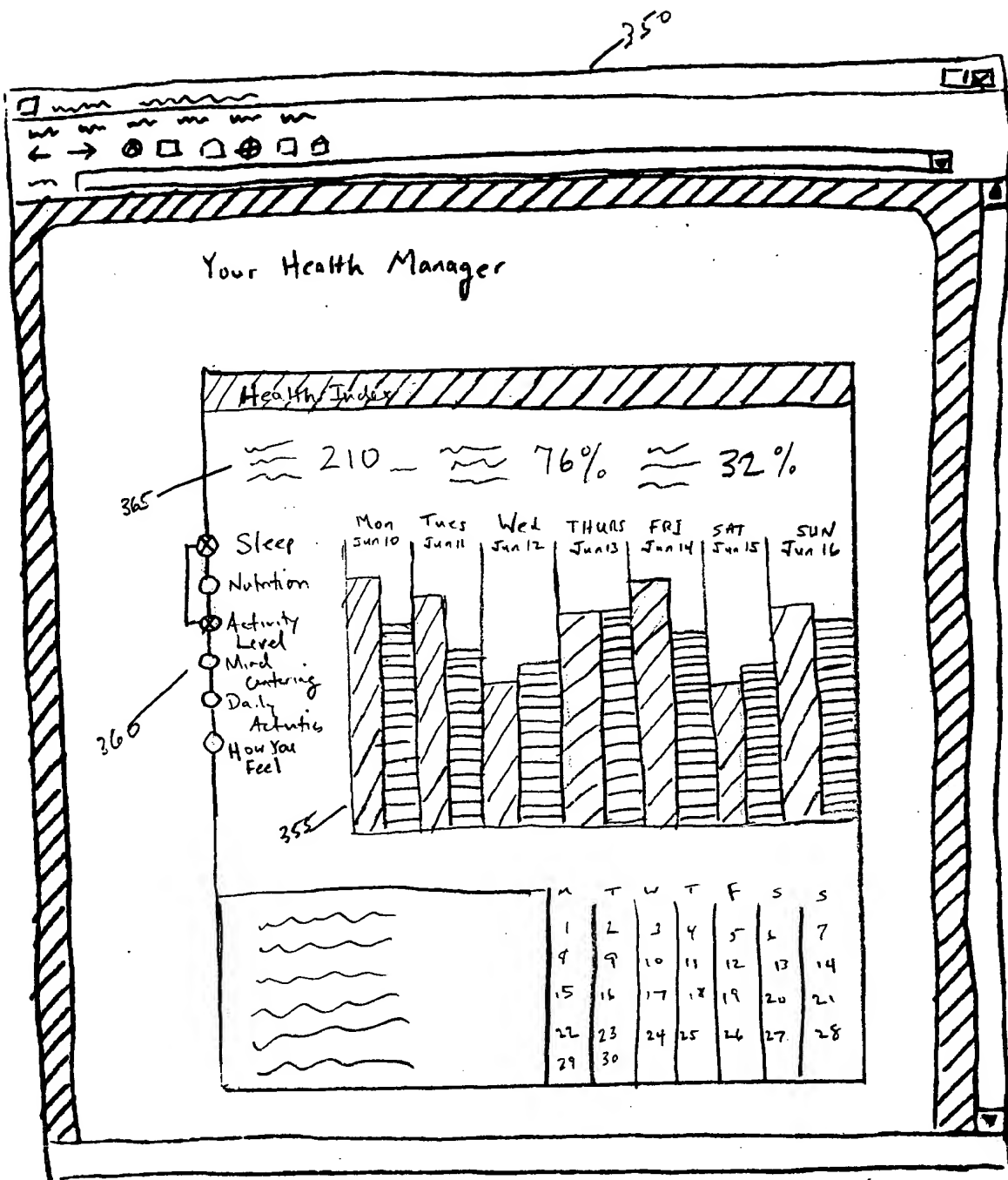


Fig. 11

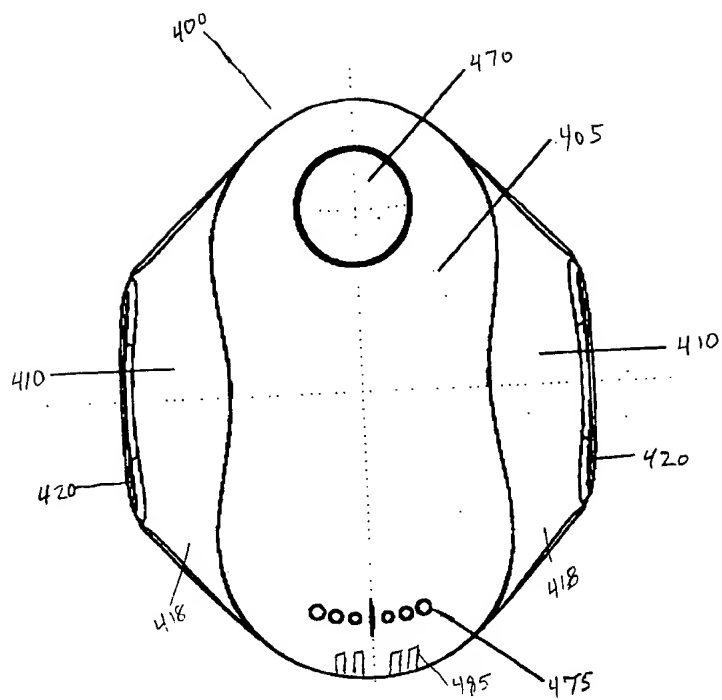
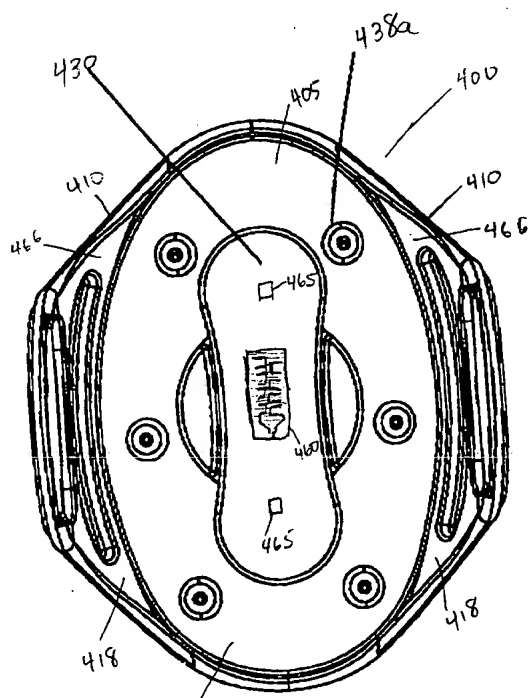


Fig. 12



440, Fig. 13

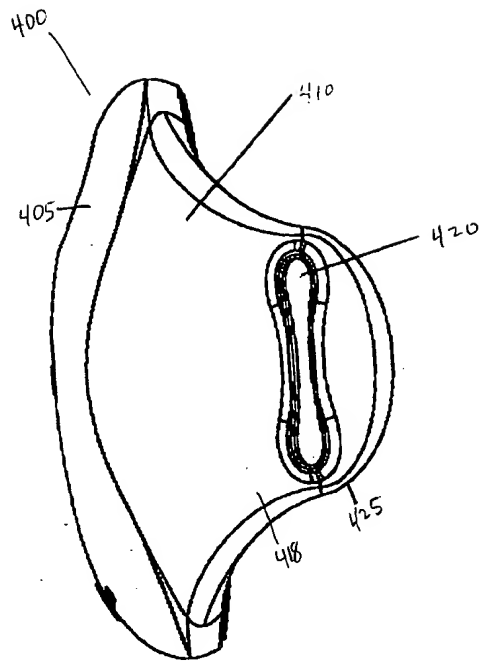


Fig. 14

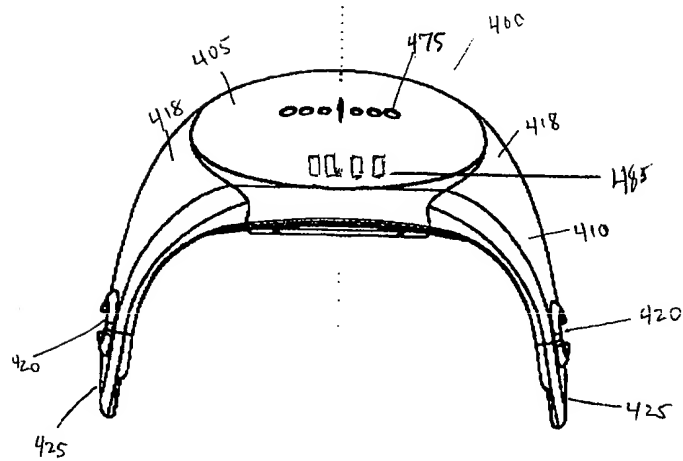


Fig. 15

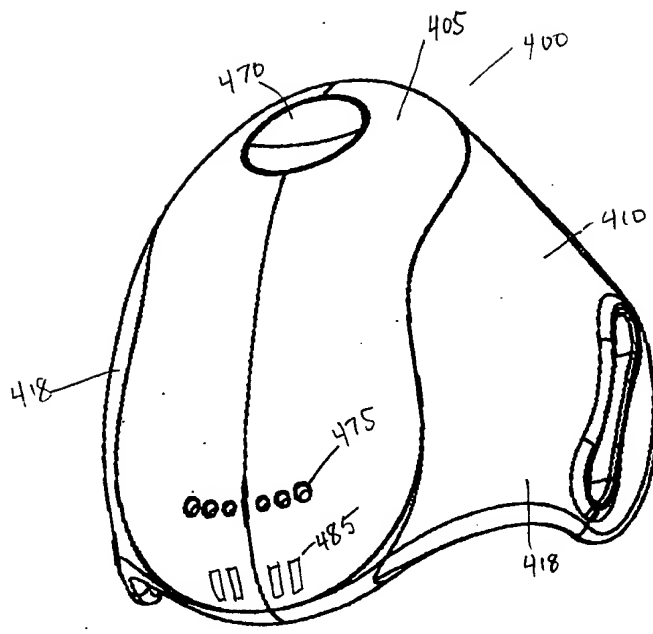


Fig. 16

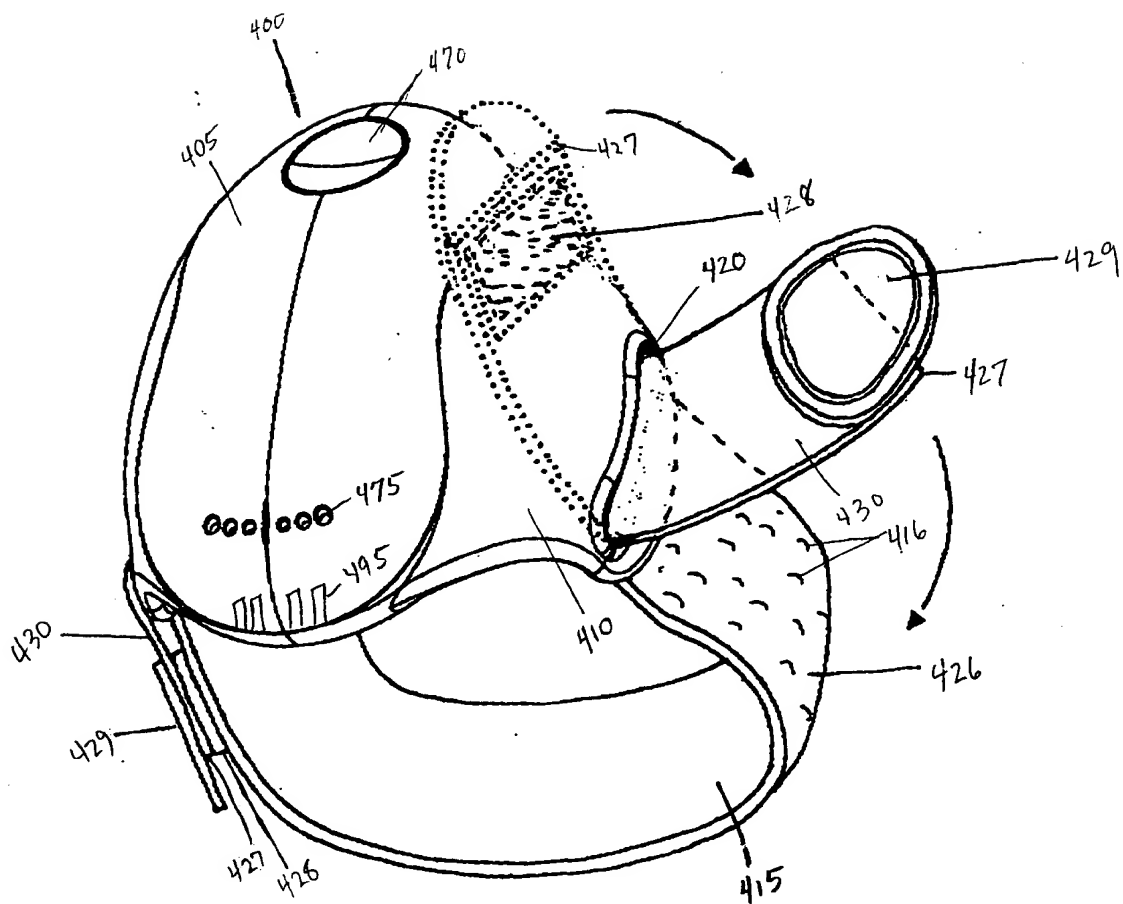


Fig. 17

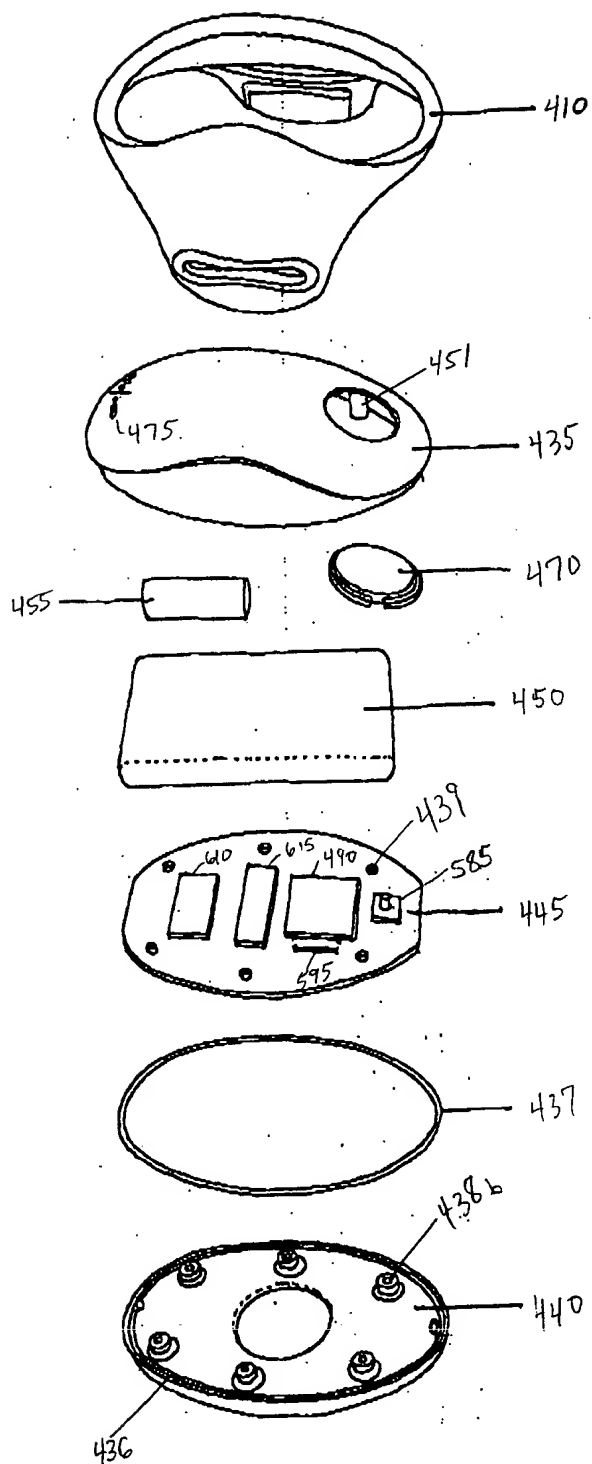


Fig. 18



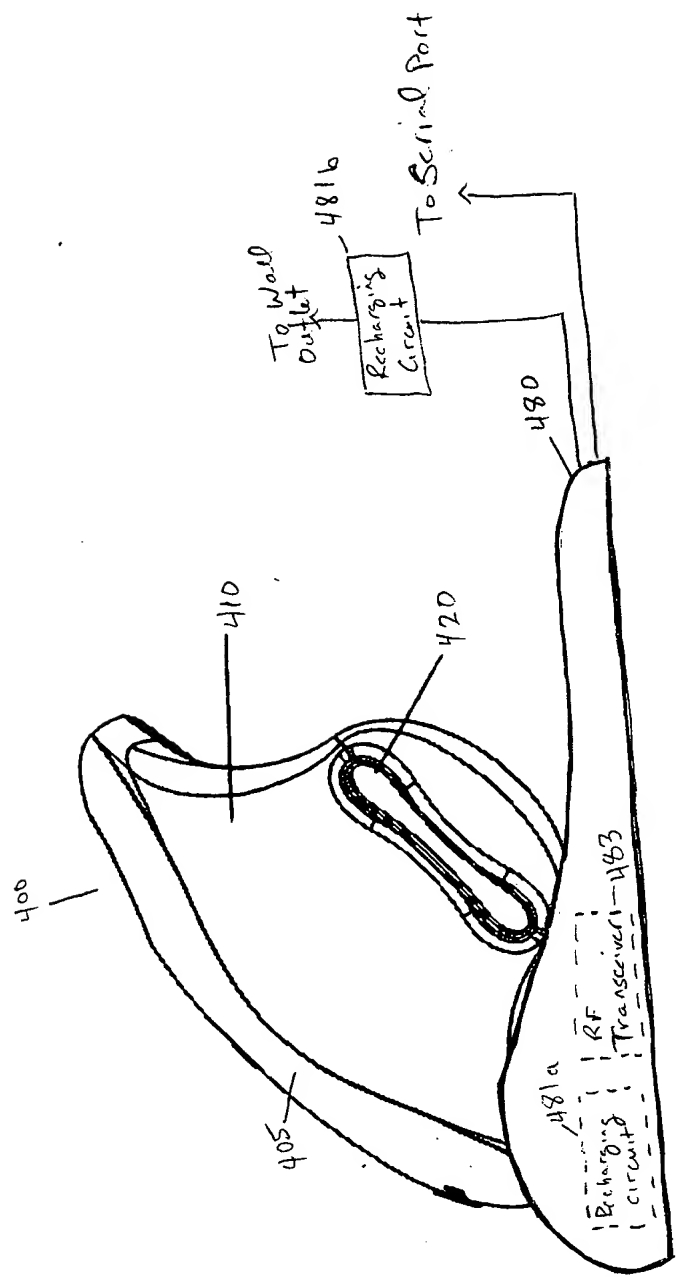


Fig. 19

FIG. 20 is a block diagram of a system 490, which may be a handheld device, a portable device, or a fixed device, according to one embodiment of the present invention. The system 490 includes a processing unit 490, which is connected to a battery 450, a voltage regulator 605, an oscillator 595, and a reset circuit 600. The processing unit 490 is also connected to a 3-axis accelerometer 550, an RF receiver 555, an RF transceiver 565, a vibrator driver 570, a ringer driver 575, a switch 585, an LED latch driver 590, and LEDs 475. The processing unit 490 is further connected to a 2-axis accelerometer 500, an A/D converter 505, a buffer 510, an AMP/OFFSET 515, a filter/conditioning 520, an AMP 525, a filter 530, an AMP 535, a battery monitor 545, a GSR sensor 460, and a heat flux sensor 465. The processing unit 490 is also connected to a SRAM 610 and a flash 615.

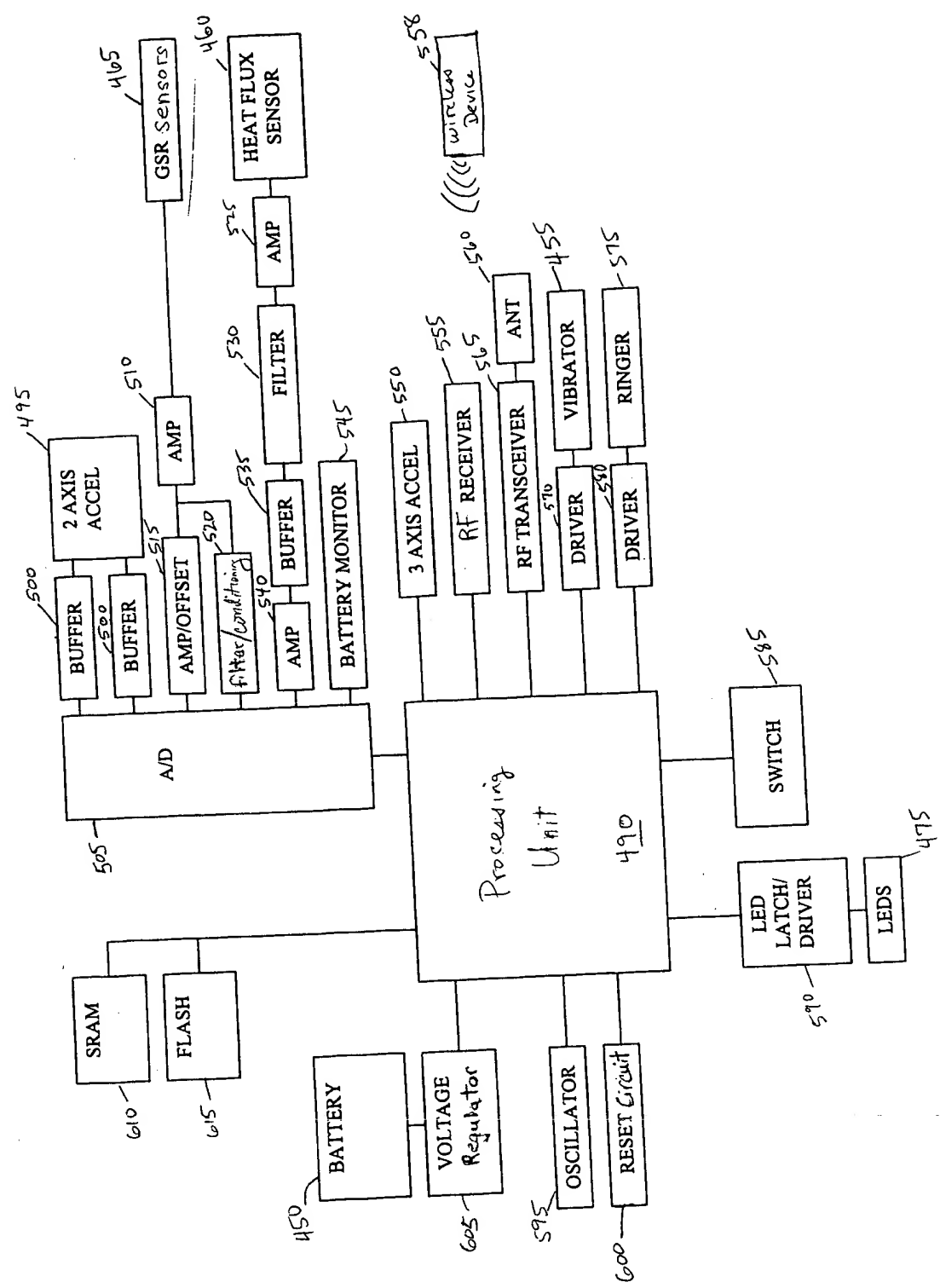


Fig. 20

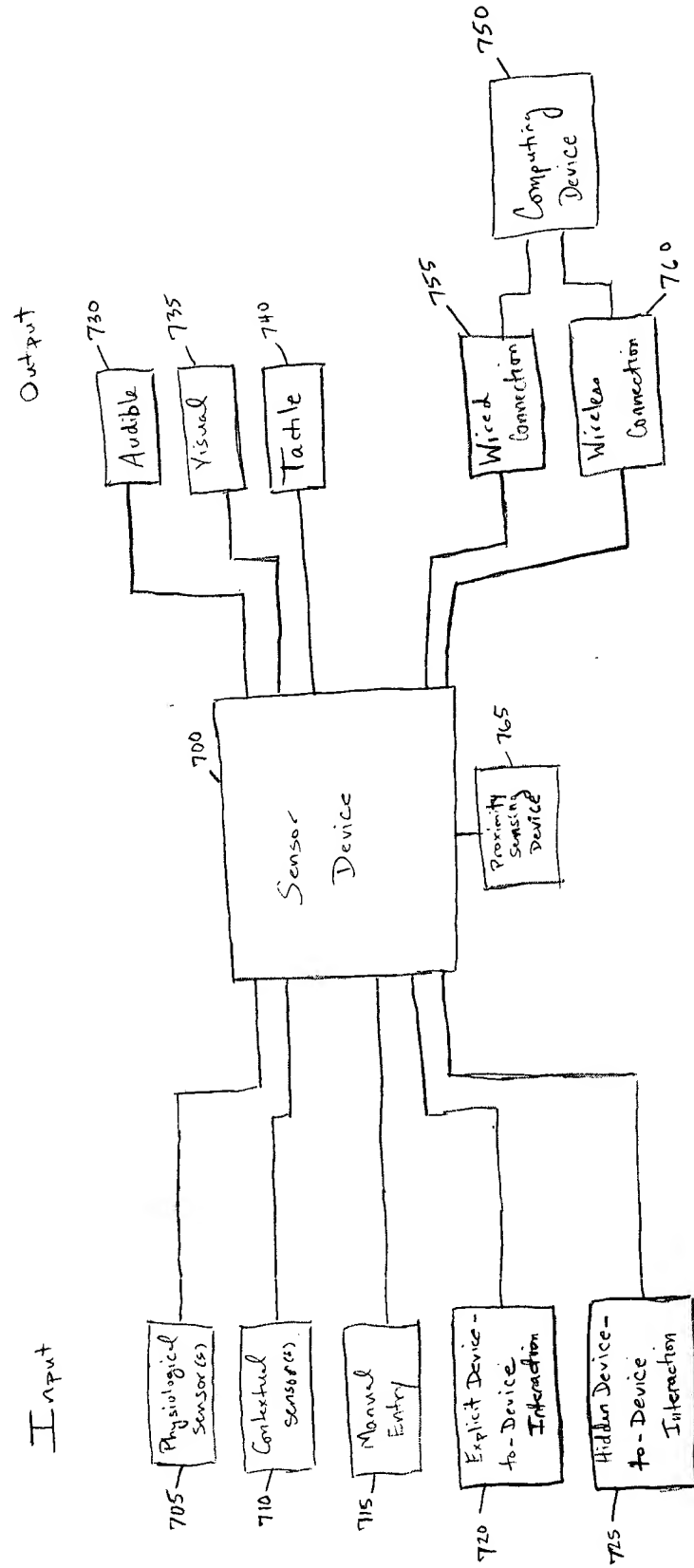


Fig 21